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RURAL DISTRICT COUNCIL OF MILLOM.

ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH AND
SANITARY INSPECTOR
FOR THE YEAR 1947.

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HEALTH DEPARTMENT.

S T A F F.

I. Spedding Jones, M.R.C.S., L.R.C.P., D.P.H.
Medical Officer of Health, also
Assistant County Medical Officer of Health

J. Hankey, Assoc.M.Inst.H.E., A.M.I.S.E., M.R.San.I.,
M.R.I.P.H.H.
Sanitary Inspector and Surveyor.

J.H. Dawson, M.R.San.I.,
Additional Sanitary Inspector.

Mrs. M. Hockaday, Medical Officer's Clerk for both Rural
District Council and County work.

C. Newton, Clerk to Sanitary Inspector.

Miss. B. Jenkinson, Clerk to Sanitary Inspector.

Health Department,
Council Offices,
Market Square,
Millom.

To the Chairman & Members of the
Rural District Council of Millom.

Mr. Chairman, Mrs. Munroe & Gentlemen,

I have pleasure in presenting my 13th Annual Report on the Health of the District for the year 1947. The report is prepared in accordance with the instructions of the Ministry of Health contained in Circular 170/47 dated 31st December, 1947.

Infectious Diseases were low during the year, apart from Measles which was prevalent in the Bootle area, but was of a mild type. No cases of Diphtheria were recorded and the Campaign against this disease was continued successfully.

In conclusion I wish to thank all members of the Staff of the Health Department and the Chairman and Members of the Council for their continued interest and support in all matters pertaining to the health of the Community.

I would like to wish your new Medical Officer Dr. K.J. Thomson every success in his appointment.

I am,
Your obedient Servant,

I. SPEDDING JONES,

Medical Officer of Health.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

GENERAL STATISTICS.

Area of District in acres	...	90,911
Registrar-General's estimate of resident population	...	11,930
Number of Inhabited Houses (end of 1947) according to Rate Books	...	3,649
Rateable Value	...	£60,272
Sum represented by a Penny Rate	...	£245

During the year the employment situation was very satisfactory. The main industries of the District are:-

Iron Manufacture
Iron-ore Mining
Agriculture
Leather Production.

In addition there are the following:-

Shoe Factory
Fancy Leather Goods Factory
Children's Clothing "
Plastic Goods Factory.

The Royal Ordnance Factories at Bootle and Drigg continued to employ people in the breaking down of shells.

All the industries worked at top pressure throughout the year.

In 1959 there was practically no employment locally for women and girls, but since the establishment of various factories in the area there is ample employment for this class of worker.

The only unemployed at the end of the year, were some 24 male persons who were classified as Disabled and who were only fit for very light work.

Towards the end of the year, a commencement was made with the erection of a new Factory in Millom, for the Ladies Shoe and Fancy Leather Goods industries.

VITAL STATISTICS FOR THE DISTRICT.

	Total.	Males.	Females.
LIVE BIRTHS - Legitimate	250	137	113
Illegitimate	13	8	5

Birth Rate per 1,000 of estimated
resident population: 22.04

STILLBIRTHS - Legitimate	8	4	4
Illegitimate	2	1	1

Rate per 1,000 total Live and Stillbirths: 36.6

DEATHS -	160	84	76
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Death Rate per 1,000 of the estimated
resident population: 13.42

Deaths from Puerperal Causes ... Nil

Death Rate of Infants under 1 year of age:-

All Infants per 1,000 live births ... 49.4

Legitimate Infants per 1,000 legitimate
live births 48.

Illegitimate Infants per 1,000
illegitimate live births 76.9

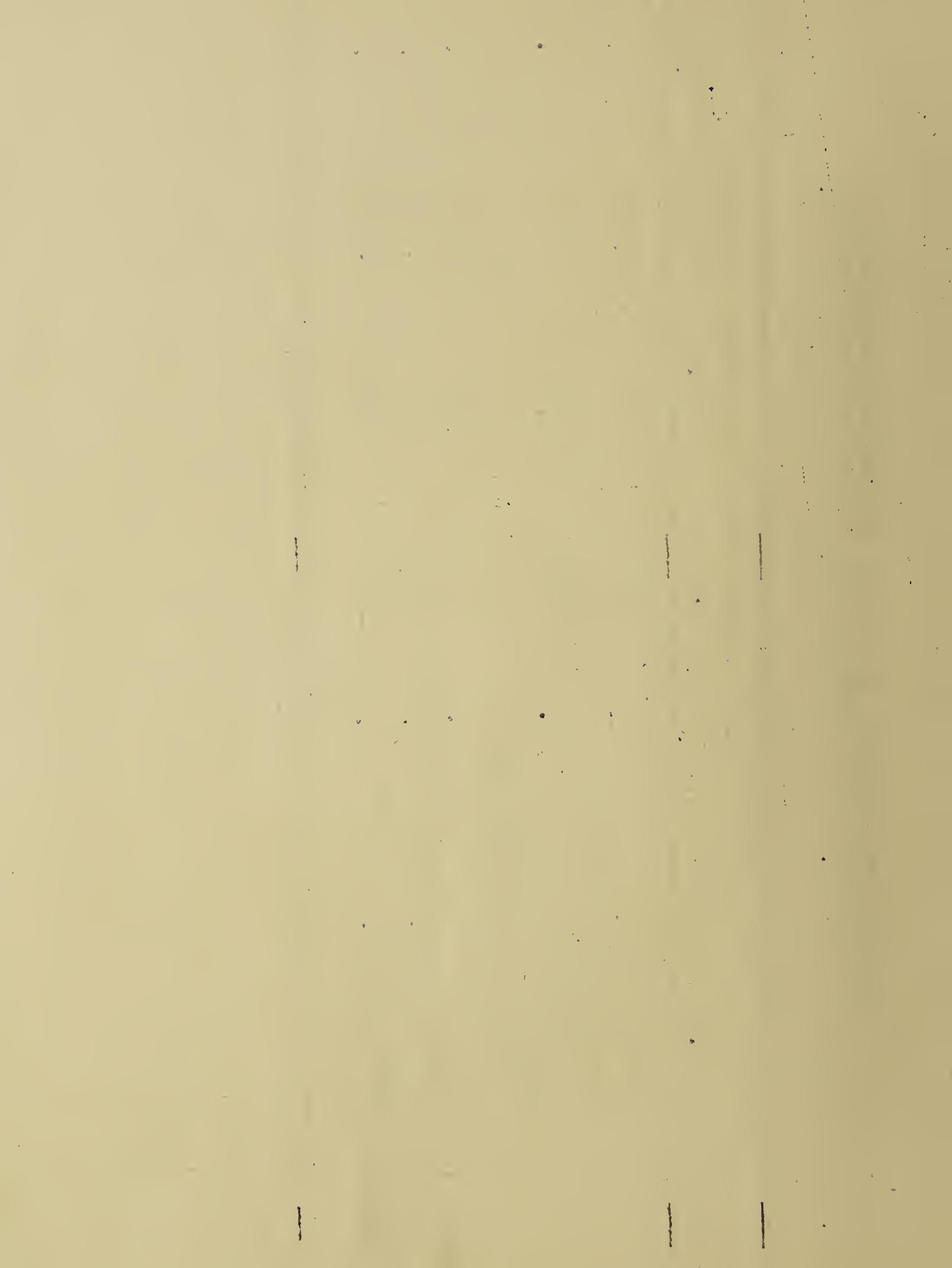
Thirteen Infants under one year of age died during 1947.

The following were the causes of death:-

Congenital Debility	4
Spina Bifida	2
Suffocation	1
Bronchitis	2
Prematurity	3
Enteritis	1

Table showing the Vital Statistics for England and Wales as a whole and certain Groups in the County of Cumberland.

	Birth Rate.	Crude Death Rate.	Infantile Mortality Rate.
England and Wales	... 20.5	12.0	41.
Administrative County of Cumberland	... 22.0	13.8	42.
Urban Districts of Cumberland (including Boroughs of Workington and Whitehaven)	22.9	14.3	46.
Rural Districts of Cumberland	21.4	13.4	39.
RURAL DISTRICT OF MILLOM ...	22.04	13.42	49.4



GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

LABORATORY SERVICES. The Laboratory at the Cumberland Infirmary, Carlisle, under the direction of Dr. Faulds, did all our laboratory work, with the exception of Water Analyses which were done by the County Analyst, Mr. Stock of Darlington.

AMBULANCE FACILITIES. The ambulances of the Whitehaven Joint Ambulance Committee and the Millom Motor Ambulance Association, served the area satisfactorily. The ambulances for Infectious Diseases are provided by the West Cumberland Joint Hospital Board.

NURSING IN THE HOME. This is carried out by the District Nurse Midwives who are employed by the various District Nursing Associations under the supervision of the County Council. They did excellent work during the year.

The Bootle area was without a District Nurse for a good part of 1947, and the work of this district was shared by the Nurses of adjoining Districts.

TREATMENT CENTRES & CLINICS. In the area there is one County Council Treatment Centre at 80 Lapstone Road, Millom. School Clinic sessions are held on the first and third Tuesdays of each month in the forenoon, and Diphtheria Immunisation Clinics are held in the afternoons on the same days. Maternity and Child Welfare sessions are held on the first and third Wednesdays of each month in the forenoon, and Tuberculosis sessions are held on the first and third Wednesdays of each month in the afternoon.

There is a trained Health Visitor stationed in Millom. She does home and school visiting in connection with all these services.

SANITARY CIRCUMSTANCES OF THE AREA.

WATER. Mr. J. Leith Clark has kindly submitted the following report on the position of the water supplies of the area.

(1) Whether the water supply of the area and of its several parts has been satisfactory.

(a) In quality. (b) In quantity.

Millom Town Supply	Good	Generally Good.
Bootle	Satisfactory	Generally fairly satisfactory.
The Green	Not very good	Unsatisfactory.
Whicham	Not entirely satisfactory	Unsatisfactory.
Northern Area Devoke Supply	Not very good	Satisfactory.
Wastwater Supply	Not very good	Satisfactory.

(2) Where there is a piped supply, whether bacteriological examinations were made of the raw water and, where treatment is installed, of the water going into supply if so, how many and the results obtained; the results of any chemical analyses.

During the year 13 bacteriological examinations were made.

	No. of samples.	No. negative in 100 ml.	No. positive in 50 ml.	% negative in 100 ml.
Millom	4	3	1	75%
Bootle	4	3	1	75%
The Green	2	2	-	50%
Whicham	2	1	1	50%
Northern Area Devoke	-	-	-	-
Wast-water	1	-	1	-

During the year three chemical analyses were made.

1. From Millom Town Supply - after filtration.
2. From Bootle Supply - Underwood House, Bootle.
3. From Bootle Supply - after filtration.

	No.1.	No.2.	No.3.
	Parts per 100,000.		
Chlorine as Chlorides	1.6000	1.6500	1.7000
Nitrogen as Nitrates	.0300	.0418	.0543
Ammonia	.0107	.0022	.0140
Albuminoid Ammonia	.0061	.0051	.0060
Oxygen Absorption	.0536	.0440	.1496
Injurious Metals	None	None	None
Total solid matter dried @ 100° C.	<u>5.0000</u>	<u>6.0000</u>	<u>7.0000</u>
pH value of sample	6.4	6.5	6.2
Temporary Hardness	Degrees	None	None
Permanent Hardness	"	<u>1.6</u>	<u>1.2</u>
Colour of sample on Hazen Scale	4	4	9
Appearance of Sample in 2 foot tube		Not quite clear	Not quite bright
Odour when heated to 50° C.	None	None	None

Sample No. 1.

Microscopical Examination - Satisfactory.

Observations - This sample affords no evidence of contamination by any kind of undesirable drainage, and as the bacteriological results are highly satisfactory, the sample is of good and wholesome quality for human consumption.

SGD:- Cyril J.H. Stock.

Sample No. 2.

Microscopical Examination - Very minute deposit from $\frac{1}{2}$ gallon consisting of earthy matter, some vegetable debris and rather numerous micro-organisms.

Observations - The sample affords no evidence of contamination by undesirable drainage, and as it is of a high order of bacterial purity it is of good and wholesome quality for human consumption. The matters noted under the microscopical examination are of no hygienic significance.

SGD:- Cyril J.H. Stock.

Sample No. 3.

Microscopical Examination - Satisfactory.

Observations - This sample affords highly satisfactory results, the data afforded by the chemical analysis and the microscopical examination showing that the treatment of the raw water has been satisfactory and efficient from this point of view, while the results of the bacteriological examination prove that the sample is free from undesirable drainage; the development of one large colony in the Clostridium Welchii group is probably entirely fortuitous, and is not of real significance.

SGD:- Cyril J.H. Stock.

(3) Where the waters are liable to have plumbo-solvent action the facts as to contamination by lead, including precautions taken and number and result of analyses.

Where the waters are liable to plumbo-solvent action the Council have restricted the use of lead-piping on all cold water services.

(4) Action in respect of any form of contamination.

Where bacteriological examination shows presence of gross contamination, the gathering grounds are inspected to ascertain the probable cause, which, in the case of Millom is generally found to be attributed to dead animals, particularly sheep lying unburied on the fells. When a dead sheep is found, the carcass is buried off the gathering ground, and the area on which the carcass was found treated. The whole of the supplies are chlorinated, and the chlorine dosage is increased if necessary. The mains are periodically flushed..

Particulars of supplies.

Supply.

Millom

Parishes supplied.

Millom: Millom Without (part)

Bootle

Bootle

(10)

<u>Supply.</u>	<u>Parishes supplied.</u>
The Green	Millom Without (part)
Whicham	Whicham (part)
Northern area Devoke	Drigg-and-Carleton: Muncaster and Irton-with-Santon.
Wastwater	Seascale.

(5) Particulars of the number of dwelling houses and the number of population supplied from public mains (a) direct to the houses.

	<u>Total</u>	<u>Supplied direct</u>	<u>Not supplied.</u>			
	Popu- lation	No. of houses	Popu- lation	No. of houses	Popu- lation	No. of Houses
Millom	7,405	2,072	7,405	2,072	nil	nil
The Green	1,132	360	675	193	457	107
Whicham	469	125	266	71	203	54
Bootle	869	205	818	193	51	12
Northem Area	1,928	528	1,222	349	706	179
Eskdale	390	116	nil	nil	390	116
Waberthwaite	234	88	nil	nil	234	88
Ulpha	191	65	nil	nil	191	65
	12,618	3,499	10,386	2,878	2,232	621

Observations -

Millom Supply During the twelve months the Lanthwaite Filter Station has worked very satisfactorily.

Rainfall during the second half of the year

was exceptionally light, only 20.47" being recorded during the six months, as compared to 43.36" during the similar period of 1946. Due to this drought the Baystone Bank Reservoir was depleted to the extent of 7ft. 9ins. below T.W.L. and it was found necessary to pump a total of 4,980,000 gallons at the Whicham Pumping Station.

Bootle Supply Throughout the year generally this supply was satisfactory except for isolated cases of failure due to blockage of the screens at the intake, but in the months of July and August, the demand exceeded the carrying capacity of the distribution mains, and difficulty was experienced in maintaining a supply. It is hoped that the installation of a booster set at Bootle will help to overcome such difficulties in the coming year.

Whicham Supply & The Green Supply

Neither of these supplies have been very satisfactory as regards quality or quantity, during the year, but the position should improve when these are coupled to and supplied from Millom.

Northern Area

Since this supply was augmented in May, with a bulk supply to Seascale from the Royal Ordnance Factory Wastwater mains the position as regards quantity has been very satisfactory, and no complaints of failure have been received,

The quality, however, may not be so satisfactory as neither the supply from Devoke or Wastwater receive treatment at present. Consideration might be given to this, but it must be borne in mind that the whole supply is under review at present, and pending decision as to whether continued use will be made of existing sources, expenditure on them should be kept to a minimum.

It is hoped, too that the development of a comprehensive scheme of supply to the Northern Area will make filtered and treated

water available to all consumers, so that they will no longer be dependent on private sources which are untreated and liable to accidental pollution.

Signed:- J. Leith Clark.

Millom Town has certainly an excellent supply of filtered water and there was no shortage during the dry summer of 1947. The Pumping Station at Lanthwaite did valuable service and prevented what might have been a water shortage in the Town.

It is hoped that Silcroft and The Green will be connected to this supply in the near future. The Silcroft Scheme was commenced in 1947 and is now nearing completion.

I agree with Mr. Clark that the Wastewater supply whilst being satisfactory in quantity is not too satisfactory as regards quality, from a Bacteriological point of view. It is open to surface pollution. This matter should be borne in mind when the contemplated Water Board comes into operation.

DRAINAGE & SEWERAGE.

Millom & Haverigg.

As reported in my last annual report the sewers in the Newtown area of Millom are in bad condition and will have to be relaid.

The Sewerage Scheme for Haverigg as reported last year is not satisfactory. The 3 outfalls still discharge on to the Foreshore.

Embankment Sewer. The outfall of this sewer still constitutes a nuisance. Approval for this Scheme has been received from the County Council.

BOOTLE.

The Scheme for extending the existing sewer as approved by the Ministry of Health in 1947 was commenced in the early part of 1948.

Muncaster.

Improvements to the existing sewerage scheme were carried out satisfactorily during the year.

Seascale.

The scheme for this village approved by the Ministry in 1946 is having to be altered considerably owing to the development which is taking place there. In my opinion, it is essential that some form of treatment of the raw sewage should be undertaken before the effluent is allowed to find its way to the sea.

The Green, Silecroft, Drigg, Eskdale, Holmrook and Hycemoor Bootle, are still without water carriage sewage disposal systems.

SCHOOLS. Inspection of all the schools in the area was carried out during the year.

The school yard at Thwaites school was re-surfaced and has proved a boon to the children.

Hycemoor School, Bootle, is one of the worst in the whole rural area. I understand it is being taken over by the County Council and that plans are out to bring it up to a satisfactory standard.

The defects at Waberthwaite School were remedied and it is now satisfactory.

Eskdale Low School has a private water supply, but still has earth closets. Eskdale High School has still no water supply and the sanitation is the same as previously reported,

The heating of some of the larger schools with big class rooms is in my opinion unsatisfactory. They are at present heated by stoves or open fires. The teacher in front of the class is often uncomfortably warm, but the children at the back of the class are cold. On one occasion whilst on a visit to one of the Millom schools during the cold spell, the temperature of the air in the vicinity of the fire was 65° Fahrenheit, and at the back of

the room it was 38° Fahrenheit. It may be years before new schools are built, and I recommend that the Millom R.D.C. approach the County Council on the question of providing central heating in these schools.

The new School Canteen was built at Millom to provide school dinners for the Millom group of schools. This canteen is also supplying meals to Whicham and Thwaites Schools. It was opened in January 1948.

The general condition of the children as found at school medical inspections was satisfactory. The old classification of nutrition of school children into groups "A" (above normal); "B" (normal); "C" (slightly below normal); "D" (malnutrition); have now been altered by the Minister of Education to "A" (above normal); "B" (normal) and "C" (malnutrition). The standards found at the medical inspections were as follows:-

"A" (Above normal)	29.28
"B" (normal)	67.74
"C" (malnutrition)	2.98

The following table gives the number of children who received school dinners and milk. The figures regarding dinners were taken on a check day in June. Later returns are available but these do not give a true reflection as several of the Canteens were closed down temporarily for re-organisation.

	No. on Roll.	No. Receiving Milk.	No. Receiving Dinners.
Millom Lapstone Rd, Boys	227	209	123
" " Girls	206	197	86
" " Infts.	235	230	116
" St. James' Mxd & Infbs.	141	134	67
" Haverigg Boys	42	41	Nil
" " Girls & Infts.	85	85	Nil
Thwaites	40	40	40
Silecroft	22	22	22
Muncaster	19	19	19
Bootle Capt, Shaw's	57	46	Nil
" Hycomcor	37	37	Nil
Waberthwaite	53	53	50
Irton	18	18	18
Eskdale High	17	14	Nil
" Low	33	32	Nil
Drigg	44	42	Nil
Seascale	36	34	Nil
Millom Secondary (Grammar)	183	150	142

111
T81

111
T80

111
T82

(continued) *Yucca whipplei* Schaffn.

111
T81

111
T80

111
T82

(continued) *Yucca whipplei* Schaffn.

Children in the Millom schools including Thwaites and Whicham were without dinners for the last term of 1947 owing to the fact that the British Restaurant where these meals were previously supplied was closed and the new Canteen was not ready until January 1948.

The dinners are appreciated by the children and parents generally.

The malnutrition cases were definitely from homes where there was some degree of neglect. During the year several of these cases were under observation and in one case, the parents had to be prosecuted and were sentenced to imprisonment for neglect of their children.

There were no school closures on account of Infectious Diseases during the year, but many schools were closed temporarily for varying periods owing to the big freeze-up.

HOUSING. It will be seen from Mr. Hankey's report that very little progress was made during the year. Only 28 new houses were completed. The Public are prone to blame the Council and its Officials for the housing situation. They forget that the Ministry of Health has the last word in this. At the time of writing this report the Ministry has sanctioned Tenders to be obtained for the erection of 10 houses. The majority of these 10 houses have to be allocated to Agricultural Workers, Miners and Key Workers, so the outlook is poor for the 302 families on the waiting list for houses.

The development of Seascale, whilst being a benefit to the area generally, will not ease the situation as far as Millom is concerned.

Whilst a lot of work has been done in rendering unfit houses fit, there is no legislation to replace the Housing (Rural Workers) Act, which in my opinion was a benefit to the tenants and owners. There are many houses that could be rendered fit, but the expense is too great for many owners to shoulder, especially as the Rent Restrictions Act is still in force.

MEAT INSPECTION. I inspected the Central Slaughterhouse, Millom, on several occasions during the year. The standard of cleanliness was found to be satisfactory.

All the recommendations for improving these premises have now been carried out.

A new specially constructed vehicle is on order by the Contractor who delivers the meat throughout the area.

The provision of a new Slaughterhouse as recommended by the Council cannot be carried out at present, but the necessity for this should not be lost sight of.

MILK & DAIRIES ORDERS. The following are the results of milk samples taken during the year.

Satisfactory. Unsatisfactory.

Pasteurised	6	4
Tuberculin Tested	5	3
Accredited	30	11
Ungraded	40	26

86 samples were taken for Tubercle Bacilli, all of which were negative.

At the end of the year there were 6 farms producing Tuberculin Tested Milk and 14 producing Accredited Milk. There is one Pasteurisation Plant.

Pasteurised, Tuberculin Tested and Accredited Licences are granted by the County Council.

Generally speaking the standard of cleanliness at the farms was higher than in previous years.

ICE-CREAM (HEAT TREATMENT ETC...) REGULATIONS, 1947.

These Regulations with certain exceptions came into force on 1st May, 1947.

All Ice-Cream vendors were visited during the year and the new Regulations explained to them in detail.

The new Regulations whilst providing for a better standard of cleanliness in the production of Ice-cream, do not lay down any standard for the quality of same. In other words, a mixture however poor, as long as it is clean can be sold as Ice-cream, and may have no food value at all.

It is going to be difficult to supervise the sale of Ice-cream from mobile vehicles. How these people are going to keep Ice-cream at the required temperature, I do not know.

SHELL FISH. The Duddon Estuary Shell Fish Regulations 1926 are still in force, and I recommend that they remain in force, as the circumstances which caused them to be made have not altered.

INFECTIOUS DISEASES. The following table shows the number of cases notified during the year.

NOTIFIABLE DISEASES (OTHER THAN TUBERCULOSIS) DURING
THE YEAR 1947.

Disease.	Total Cases Notified.	Cases Admitted to Hospital	Total Deaths.
Scarlet Fever	4	1	1
Diphtheria	1	1	1
Pneumonia	33	1	1
Erysipelas	8	1	1
Measles	96	1	1
Whooping Cough	9	1	1
Dysentery	1	1	1
Acute Anterior Poliomyelitis	4	4	1

Acute Poliomyelitis. There were only four cases of this disease notified, although there was a widespread epidemic throughout the country.

The first case occurred in Bootle on the 6th August, and concerned a boy aged five years. This boy had partial paralysis of the right arm. The next two cases which occurred in Bootle on the 9th and 11th August respectively, were children from the same household - a boy aged two years with partial paralysis of the right arm, and a girl aged

five who did not develope paralysis at all. The fourth case which occurred in Millom on the 1st September, was that of an adult female. She had paralysis of both legs, but has made an almost complete recovery. These cases along with two suspected cases were admitted to Hospital at Carlisle where expert diagnosis and treatment were obtained.

The two children with residual paralysis are now under the care of the County Council Orthopaedic Department, and are making satisfactory progress.

The County Health Department took responsibility for the treatment of these cases.

Diphtheria. It is gratifying to report that no case of this disease occurred in the area during the year. There has not been a death from this disease for the whole of the rural district during the past 12 years.

Immunisation. 192 Infants under five years of age and 15 school children were immunised. In addition 226 school children received re-inforcing doses.

TUBERCULOSIS. The following table gives particulars of cases notified and of the deaths.

	New Cases.				Deaths.			
	Respiratory.		Non-Respiratory.		Respiratory.		Non-Respiratory.	
	M.	F.	M.	F.	M.	F.	M.	F.
0	1	-	1	-	-	-	-	-
1	5	-	-	-	-	-	-	1
5	15	-	1	1	-	-	-	-
15	25	-	3	-	1	-	-	-
25	35	-	-	-	-	-	-	-
35	45	-	1	-	-	-	-	-
45	55	3	-	-	-	-	-	-
55	65	1	-	-	-	1	-	-
65 & up	S	1	-	-	-	-	-	-
TOTALS	5	5	2	2	2	-	-	1

The Registrar-General's return shows that there were two female deaths from Non-Pulmonary Tuberculosis among residents of the Millom Rural District, I can only trace one of these deaths.

--The number of cases on the Tuberculosis Register at the end of the year were:-

	Males.	Females.	Total.
Pulmonary	26	21	47
Non-Pulmonary	6	5	11

CAUSES OF DEATH FOR 1947.

All Causes.	M.	F.	Total.
	84	76	160
1. Typhoid and Paratyphoid Fevers	2	2	2
2. Cerebro-spinal Fever	2	2	2
3. Scarlet Fever	2	2	2
4. Whooping Cough	2	2	2
5. Diphtheria	2	2	2
6. Tuberculosis of the Respiratory system	2	2	2
7. Other forms of Tuberculosis	2	2	2
8. Syphilitic diseases	2	2	2
9. Influenza	5	1	6
10. Measles	2	2	2
11. Ac. poliomyelitis & polio-encephalitis	2	2	2
12. Ac. Inf. encaphalitis	2	2	2
13. Cancer of buc:cav:& oesoph (M) uterus (F)	2	2	2
14. Cancer of stomach and duodenum	2	2	4
15. Cancer of breast	2	2	2
16. Cancer of all other sites	6	6	12
17. Diabetes	1	1	2
18. Intra-cranial vascular lesions	16	21	37
19. Heart diseases	13	15	28
20. Other disease of circulatory system	4	2	6
21. Bronchitis	7	1	8
22. Pneumonia	2	2	2
23. Other respiratory diseases	1	1	1
24. Ulcer of stomach or duodenum	1	1	1
25. Diarrhoea under 2 years	1	1	1
26. Appendicitis	1	1	1
27. Other digestive diseases	2	2	2
28. Nephritis	2	2	2
29. Puerperal & post-abort. sepsis	1	1	1
30. Other maternal causes	1	1	1
31. Premature birth	3	1	3
32. Con:mal: birth inj: infant dis:	4	2	6
33. Suicide	2	2	2
34. Road traffic accidents	1	1	1
35. Other violent causes	3	1	4
36. All other causes	13	16	29

FACTORIES ACT, 1937.Part I of the Act.

1.-INSPECTIONS for purposes of provisions as to health (including inspections made by Sanitary Inspectors)

Premises (1)	M/c line No. (2)	Number on Register (3)	Inspections (4)	Number of Written Notices (5)	Occupiers Prosecuted (6)	M/c line No. (7)
(1) Factories in which Sections 1, 2, 3, 4 & 6 are to be enforced by Local Authorities •••	1	82	114	14	-	1
(ii) Factories not included in (1) in which Section 7 is enforced by the Local Authority •••	2	10	21	5	-	2
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out- workers' premises) •••	3	19	32	2	-	3
TOTAL •••		111	157	21	9	

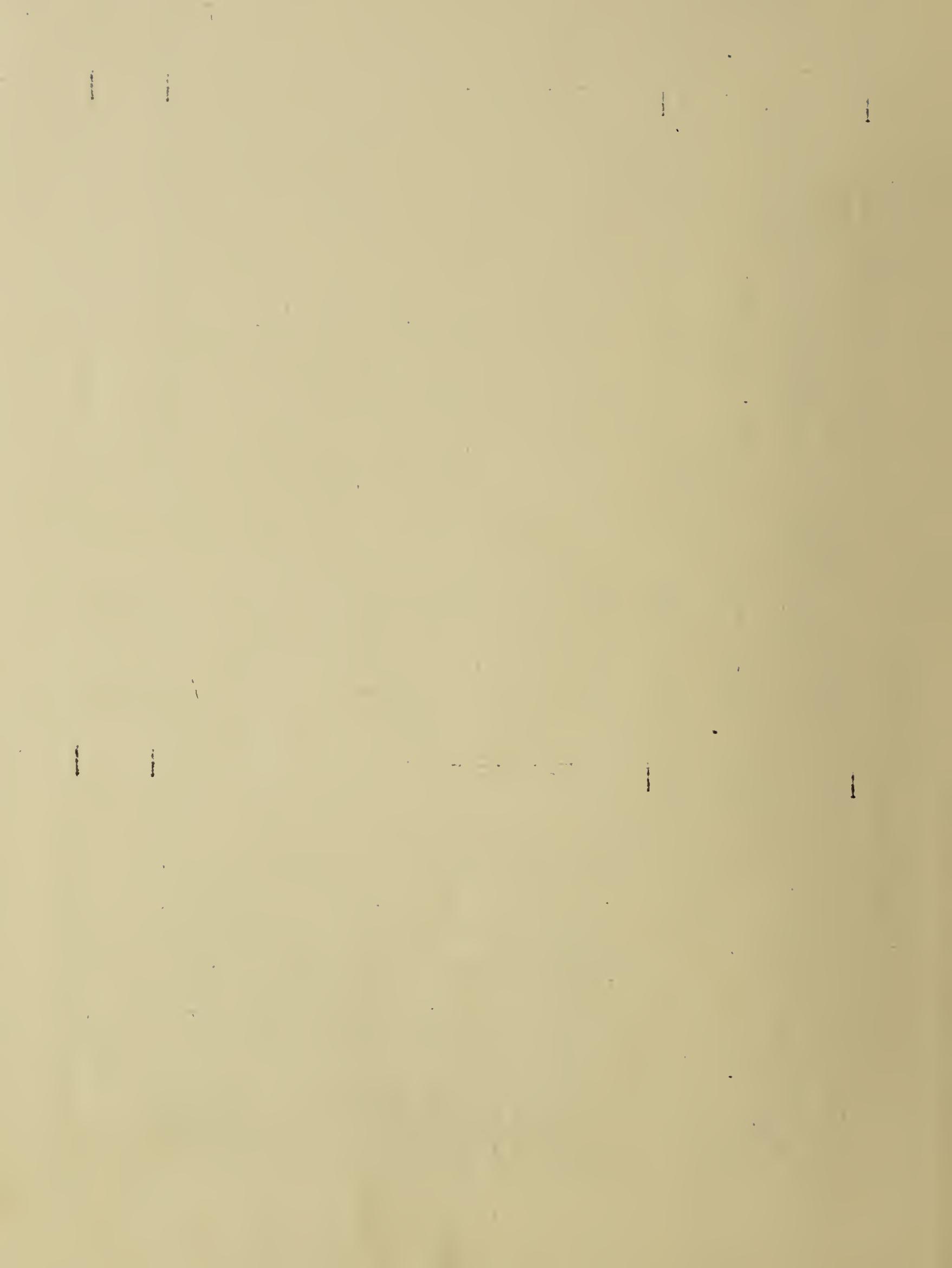
TABLE II

Effect of Temperature on the Conductivity of Square-Tapered
Boron Nitride

Temperature, °C.	Conductivity, ohm ⁻¹								
20	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
40	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
60	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
120	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
140	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
160	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
180	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
220	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
240	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
260	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
280	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
320	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
340	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
360	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
380	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
420	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
440	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
460	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
480	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
520	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
540	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
560	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
580	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
620	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
640	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
660	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
680	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
720	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
740	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
760	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
780	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
820	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
840	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
860	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
880	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
920	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
940	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
960	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
980	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

2. - CASES IN WHICH DEFECTS WERE FOUND.

Particulars.	Number of cases in which defects were found			Number of cases in which prosecutions were instituted.			M/C Line No.	Line No.
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
Want of cleanliness (S.1)	4	9	9	-	-	-	4	5
Overcrowding (S.2)	5	1	1	-	-	-	5	6
Unreasonable temperature (S.3) °°°	6	2	2	-	-	-	6	7
Inadequate ventilation (S.4) °°°	7	2	2	-	-	-	7	8
Ineffective drainage of floors (S.6) °°°	8	3	2	-	-	-	8	9
Sanitary conveniences (S.7)	-	-	-	-	-	-	9	10
(a) insufficient or unseatable or defective	6	4	3	-	-	-	10	11
(b) not separate for sexes °°°	10	3	4	-	-	-	11	12
Other offences against the Act (not including offences relating to Outwork) °°°	12	2	1	-	-	-	12	13
TOTAL °°°	60	24	23	-	-	-	60	60



SANITARY INSPECTION OF THE AREA.

ANNUAL REPORT OF THE SANITARY INSPECTOR FOR THE YEAR 1947.

To Dr. I.S. Jones,
Medical Officer of Health,

Sir,

I have the honour in presenting to you my twelfth Annual Report for work carried out by this Department for the year ended 31st December, 1947.

Fair progress has been made during the year in respect to works of repair, maintenance and improvements to dwelling houses and other premises, and it is pleasing to note that there are now more Contractors available to carry out these works in the area.

Restrictions are still in force as far as Civil Building is concerned and during the year under review, the Health Committee and Housing & Town Planning Committee considered and approved 504 Building Licences, at an estimated expenditure of £36,951, which includes improvements affecting 397 houses and 117 other premises. The total number of Licences referred to the various Ministerial Departments was 19.

There has without doubt been many improvements carried out to existing houses, but the Contractors have again had difficulty in obtaining materials of various kinds.

New dwelling houses are still one of the urgent necessities to meet the growing demand for housing accommodation, applications for which are being received at the office every week. With the new factories in course of erection and extensions which are being carried out to existing works, the demand for accommodation will without doubt increase considerably.

Owing to the very limited number of new houses available, this Department and also the Housing Tenants Sub-Committee are faced with a very difficult task in allocating the tenancy of same.

Housing Schemes. The position of the Council's Housing Schemes at the end of the year was as follows:-

Town Head Estate (1st Contract) 20 Houses.

were

There 17 houses completed during the year. The remaining three houses were in an advanced stage of completion and should be ready for occupation early in 1948.

Town Head Estate (2nd Contract) 28 Houses.

There were 9 houses completed during the year. The remaining 19 houses had reached various stages of construction and the position of these at the end of the year was as follows:-

No. of Dwelling Houses which had reached eaves level -	19
No. of Dwelling Houses roofed	... 15
No. of Dwelling Houses plastered	... 3

Satisfactory progress was being made by the Contractor for early completion of these houses.

Town Head Estate (3rd Contract) 2 - 4 Bedroom Type Houses.

Plans of the Layout and also of the houses proposed to be erected were approved by the Ministry of Health and instructions were given to obtain Tenders. The necessary Tender was obtained and finally approved by the Ministry of Health. The erection of these houses has not yet been commenced.

Devonshire Road, Millom (6 Houses).

Plans of the Layout and also of the houses proposed to be erected were approved by the Ministry of Health and instructions given to obtain Tenders. The necessary Tender was obtained and finally approved by the Ministry of Health. Work on the erection of these houses was commenced on the 2nd September, 1947, and the position at the close of the year was briefly as follows:-

No. of Dwelling Houses which had reached damp course level - 4.

No. of Dwelling Houses which had been roofed - 2.

Settle Street & Salthouse Road, Millom. Layout plans for the proposed Estate in this area have been approved by the Ministry of Health. The total number of houses concerned is 172. It is regretable that further progress has not been made on this Estate, but the delay is chiefly attributed to the Council not being able to obtain full possession of the land. However, it is hoped that this will be obtained early in 1948.

Overcrowding. Overcrowding of dwelling houses which continues to be one of the major problems, has with the completion of some of the new houses been alleviated to some extent. 34 cases of overcrowding which concerned 234 people have been dealt with. New cases during the year total 3.

Court Proceedings. Owing to the default of the owner of 3 dwelling houses in complying with the Notices served upon him under the Public Health Acts, to abate nuisance which had arisen, and after reporting further on the matter, the Health Committee recommended that Court proceedings be taken against the owner concerned. A Nuisance Abatement Order was eventually made against the owner.

General. From the outline already given and after perusal of the whole of this report, you will see that the work in the Sanitary Inspector's Department is still on the increase. The fact must not be overlooked by the Council, that the duties of Surveyor are carried out in the same Department, and the various schemes relating to Housing Sites, New Houses, Roads and Sewers, Sewerage and Sewage Disposal and many other important works of Civil Engineering have all to be dealt with in the very limited accommodation which is now available.

In addition, interviews have to take place in the passage adjoining the present office or in the Council Chambers and this is a very unsatisfactory state of affairs.

Having already reported on these conditions in previous reports, I must again ask the Council to give serious consideration to this question of improved office accommodation for my Department.

It is utterly impossible to carry on much longer under the conditions now existing, and the improvement asked for is long overdue.

GENERAL INSPECTIONS.

Inspections under the Housing Acts	376
Inspections under the Public Health Acts	352
Complaints investigated	144
Inspections - Town & Country Planning	
New Buildings	641
Visits to Factories	160
Inspections of Workshops	100
Visits after Infectious Disease cases	4
Inspections under Food & Drugs Act	305
Inspections under Rats & Mice Acts	51
Inspections under Petroleum Acts	188
Inspections under Shops Acts	123
Interviews with owners of premises	328
Revisits to premises under Notice	569
Visits to Bakehouse	135
Visits to Fried Fish Shops	81
Visits to Public Abattoir	314
Visits to Butchers Shops	137
Inspections of Ice Cream Premises	117
Inspections of Cowsheds, Dairies etc.	208
Houses disinfected	3
Houses disinfested	4
Inspections of Cinemas & Public Halls	79
Inspections of Schools	31
Visits to Licenced Premises	67
Visits to Camping Sites	23
Miscellaneous	40

Informal Notices served - P.H.A. 187
 " " H.A. 56

Statutory Notices served - P.H.A. 14
 " " H.A. 13

IMPROVEMENTS EFFECTED.

Dwelling Houses:-

Repaired or made fit	330
Provided with damp proof course	28
Roofs repaired	123
Floors repaired, ventilated etc.	69
Walls and ceilings repaired	290
Windows repaired, renewed or made to open	94

Sashcords renewed	159
Foodstores provided, repaired etc.	20
Handrails provided to stairs	16
Stairs repaired	31
Ventilation provided to bedrooms	24
Skirting boards provided or repaired	70
Doors repaired, rehung or renewed	54
Firegrates repaired, reset or renewed	82
Chimneys or chimney stacks repaired	39
New sinks provided and fixed	44
Sink wastes repaired or renewed	44
Water supply provided inside houses	9
Water supplies repaired or renewed	30
Wash Coppers repaired or provided	17
Copper firesets repaired or renewed	10
Baths provided or renewed	33
Lavatory basins provided or renewed	40
External walls pointed	9
External walls cemented	29
Ovens repaired or renewed	27
Eaves gutters & R.W. Pipes renewed	69
Dangerous walls repaired	23
Yards and Passages paved and drained	13
Yard paving repaired	24

Drains, Water Closets & Refuse Accommodation:-

Obstructed drains cleansed	27
Obstructed W.Cs. cleansed	20
Yard gullies provided & connected to drains	60
Vent pipes provided or renewed	44
Drains repaired or reconstructed	76
Drains tested	75
Inspection Chambers provided	52
Inspection Chamber covers renewed	16
W.C. Basins provided or renewed	62
W.C. Cisterns repaired or renewed	53
Septic Tanks provided	11
Closet structures repaired	35
Ashpits abolished	6
Dustbins provided	216

Other Nuisances:-

Smoke	5
Animals improperly kept	12
Rats and Mice	12
Accummulation of refuse	12

(1) Inspections of Dwelling Houses during the year:-

(1) (a)	Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts).	728
(b)	Number of inspections made for the purpose	1297
(2) (a)	Number of dwelling houses (included under sub-head (1) above), which were inspected and recorded under the Housing (Consolidated) Regulations, 1925 & 1932	376
(b)	Number of inspections made for the purpose	376
(3)	Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	
(4)	Number of dwelling houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	319

(2) Remedy of Defects during the year without Service of Formal Notice.

Number of defective dwelling houses rendered fit in consequence of informal actions by the Local Authority or their Officers

330

(3) Action under Statutory Powers during the year.

(a)	Proceedings under Sections 9, 10 and 16 of the Housing Act 1936.	
(1)	Number of dwelling houses in respect of which Notices were served requiring repairs	13
(2)	Number of dwelling houses which were rendered fit after service of formal notices:	
(a)	By owners	2
(b)	By Local Authority in default of owners	

(b)	<u>Proceedings under Public Health Acts:</u>	
	(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied	24
	(2) Number of dwelling houses in which defects were remedied after service of formal notices	
	(a) by owners	10
	(b) By Local Authority in default of owners	-
(c)	Proceedings under Sections 11 and 13 of the Housing Act, 1936:	
	(1) Number of dwelling houses in respect of which Demolition Orders were made	-
	(a) Number of dwelling houses demolished in pursuance of Demolition Orders	-
(d)	<u>Proceedings under Section 12 of the Housing Act 1936.</u>	
	(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	-
	(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or rooms having been rendered fit	-
4.	<u>Housing Act, 1936. Part IV. Overcrowding.</u>	
(a)	(1) Number of dwelling houses overcrowded at the end of the year	11
	(2) Number of families dwelling therein	25
	(3) Number of persons dwelling therein	83
(b)	Number of new cases of overcrowding reported during the year	3
(c)	(1) Number of cases of overcrowding relieved during the year	34
	(2) Number of persons concerned in such cases	-
(d)	Particulars of any cases in which dwelling houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding	234
(e)	Any other particulars with respect to overcrowded conditions upon which the Medical Officer of Health may consider it desirable to report.	-

TOWN & COUNTRY PLANNING.

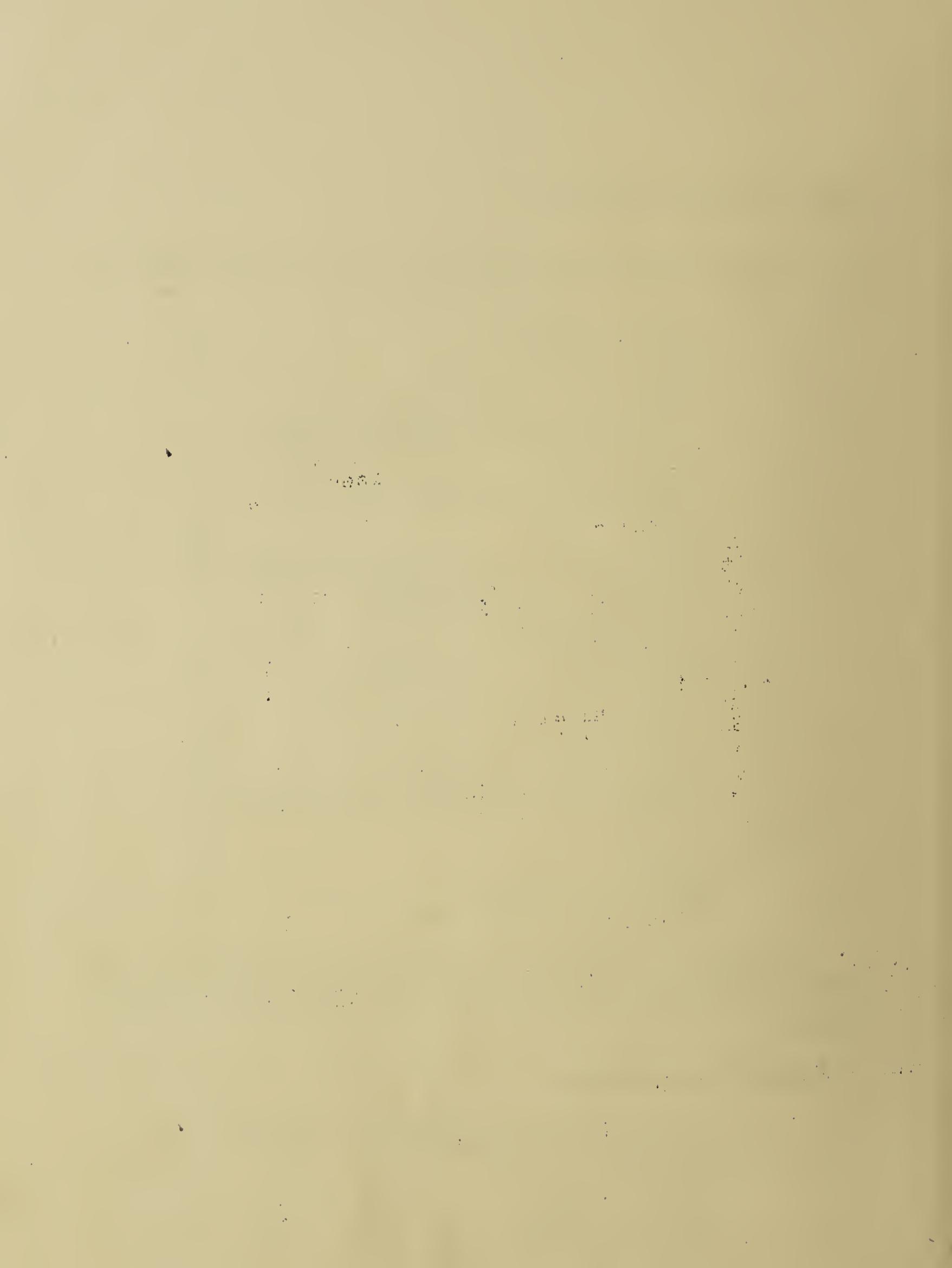
The following plans were considered and approved by the Housing & Town Planning Committee .

Detached Houses	2
Semi-Detached Houses	4
Bungalows	9
Alterations, Extensions &	
Improvements to existing houses	8
Conversion of existing premises into Cottage	2
Conversion of existing premises into Flats	1
Byres	1
Alterations & improvements to Byres	1
Extensions to Factories	2
Conversion of existing premises into Factory	1
Alterations to Fire Station	1
Pig Sties	6
Demolition and Alterations to School	1
Improvements to School	1
Alterations to Conveniences	4
Conversion of premises into Masonic Lodge	1
Garages	5
Stores	1
Garage and Store	1
Showroom and Warehouse	1

In addition plans were approved for 8 houses for the Rural District Council of Millom and Layout Plans for 172 houses for the Settle Street and Salthouse Road Housing Estate.

Temporary Buildings.

Sectional Hut (Breeding animals for Laboratory purposes)	1
Garages	7
Trailer Shed	1
Garden Sheds	13
Poultry Houses	2
Beach Huts	2
Score Box	1



Kennels	1
Store Sheds	3
Social Centre	1

With regard to the temporary buildings which are approved from time to time, it is now very essential to keep strict supervision over the materials which are sometimes used for these erections.

The Committee's attention had to be called to the contravention of the Council's Building Byelaws, by owners commencing the erection of new buildings, before the plans had been considered and approved by them. I also find additional buildings in course of erection when re-visiting these sites, and it is imperative that the Committee take drastic action against such offences.

INFECTIOUS DISEASES. 14 houses have been fumigated after cases of Infectious Diseases, and bedding and clothing also received attention at the same time.

Several cubicles at the Wellbank Holiday Camp, Bootle, received attention after mild cases of sickness.

21 other dwelling houses in the area were fumigated after requests from the occupiers.

VERMINOUS PREMISES. 5 dwelling houses were found to be verminous and disinfection of same was carried out. Cases dealt with were only of a minor character and the treatment given was successful in abating the trouble.

SHOPS ACT, 1934. On the register there are 128 shops in the area. During the year 134 visits were made, and with the exception of notification to cleanse down the premises in 4 instances and the removal of refuse in 2 others, the premises were found to be in good order and in accordance with the appropriate provisions of the Act.

BAKEHOUSES. Routine inspections of all Bakehouses in the area have been carried out. No action was taken.

SMOKE ABATEMENT. No action was necessary under this heading, there being no industries in the area likely to give rise to nuisance.

CLOSET ACCOMMODATION. 20 Short Hopper type W.Cs., have

been replaced by the modern Pedestal Washdown W.C.s.

RATS & MICE (DESTRUCTION) ACT. No action was necessary under this Regulation.

COMMON LODGING HOUSES. There are no Common Lodging Houses in the area.

FACTORIES ACT, 1937. There are 103 Factories on the Register, and 157 inspections were carried out during the year. Instructions to owners or occupiers to abate nuisances or infringements of the Act were served where such action was deemed necessary.

SANITARY CONDITION OF CINEMAS & HALLS. The usual inspections have been carried out at these premises. Formal Notice had to be served in one instance, and the nuisance complained of was remedied immediately. The conversion of a Hall into a Cinema was carried out.

PUBLIC CLEANSING. Difficulties were again experienced in maintaining a satisfactory public cleansing service throughout the area. These difficulties tend to increase rather than decrease. Vehicle replacement is now taking much longer, and there is as yet no indication of when the two new Dennis vehicles will be delivered. Spare parts to keep the vehicles now in use on the road are practically unobtainable. The Leyland Cub vehicle had to be laid off altogether in June owing to engine trouble, and as the necessary part could not be obtained this vehicle has not been in use since that time, with the result that the work of Refuse Removal throughout the area has had to be carried out by the two Karrier vehicles. Tyres have also been very difficult to obtain and one of the Karrier vehicles had to be off the road for three weeks owing to the bad condition of the tyres.

Although faced with many problems the Department was able to commence the collection of House Refuse in the Parishes of Waberthwaite and Irton-with-Santon. These services came into operation on the 3rd April.

A word of credit must be given to the employees in the Department who have throughout the year endeavoured to give the Public a constant and satisfactory service. These employees have worked together as a team, or otherwise,

I could not give a report such as the one set out below, and my thanks are due to them for the co-operation they have given in these difficult days.

<u>Millom</u>	Bins emptied	120,080
	Pits "	277
<u>Millom Without</u>	Bins "	7,970
	Pits "	462
<u>Whicham</u>	Bins "	5,359
	Pits "	38
<u>Bootle</u>	Bins "	6,681
<u>Waberthwaite</u>	Bins "	1,421
<u>Muncaster</u>	Bins emptied	5,778
<u>Drigg</u>	Bins "	5,687
<u>Seascale</u>	Bins "	15,111
<u>Eskdale</u>	Bins "	4,625
<u>Irton-with-Santon</u>	Bins "	2,444

The following are particulars of the loads removed.

	Loads.	Weight.
	Tons.	cwts.
Leyland	484 $\frac{1}{2}$	1453 10
Karrier No.1.	1046 $\frac{1}{2}$	2616 5
Karrier No.2.	627	1567 10

SALVAGE. The following are particulars of the materials collected and disposed of during the year.

	tons.	cwts.	qrs.	stns.
Baled Tins	25	1	1	
Rags	1	-	2	
Bones	-	-	2	
Black Scrap	11	5	1	
Sacking	-	1	2	
Lead	-	1	2	1
Salvaged Cable	-	15	1	
Waste Paper	36	14	3	
	75	-	2	1
Total - 1946	45	1	1	1

All the above items with the exception of bones, show an increase on 1946.

Total revenue 1947 - £299.17. 0
" " 1946 £245. 1.11

MILK & DAIRIES ORDERS. 208 inspections have been made under the Milk & Dairies Order 1926, and 7 Informal and 5 Formal Notices have been served to remedy defects.

Improvements effected:-

New Water Services	1
Cleaning Down and Limewashing	4
Dairy facilities provided	3
Alterations to Byre	1
Sterilising rooms provided	2
Cooling houses provided	2
New Byres	2
Provision of windows	1
Cement rendering of walls	1
Concreting Floor	1
Provision of drainage arrangements	1

INSPECTION & SUPERVISION OF FOOD.

Meat & Other Foods. The slaughtering arrangements at the Central Abattoir, Millom, are as set out in previous reports.

Improvements to the existing premises have been completed as requested and conditions are now satisfactory.

The following particulars give a summary of the inspections made and the results thereon.

Particulars.	Cattle excluding Cows.	Cows.	Sheep & Lambs.	Pigs.	Calves.
Number killed.	337	150	2660	385	19
Number inspected.	337	150	2660	367	19
<u>All diseases except</u> <u>Tuberculosis.</u>					
Whole carcases condemned.	1	4	20	-	6
Carcases of which some part or organ was condemned.	138	103	218	-	1
Percentage of the number inspected affected with diseases other than Tuberculosis.	41.25	71.33	8.95	-	36.84
<u>Tuberculosis only.</u>					
Whole carcases condemned.	6	10	-	2	-
Carcases of which some part or organ was condemned.	34	58	-	1	-
Percentage of the number inspected affected with Tuberculosis.	11.87	45.33	-	.82	-

Remarks on Meat condemned.

(1) Diseases other than Tuberculosis.

(a) Whole Carcasses.

1 cattle
4 cows
20 sheep
6 calves

(b) Portions or Organs of Carcasses.

220	Bovine Livers
12	" Livers (portions)
24	" Udders
1	" Hindquarter
1	" Head & Tongue
4	Portions Beef
1	Portion Veal
215	Sheep Livers
2	" Plucks
1	" Head
4	Mutton Loins
3	Portions Mutton

(2) Tuberculosis only.

(a) Whole carcasses.

6	cattle carcasses
10	cow "
2	pig "

(b) Portions or organs of carcasses.

64	Bovine Lungs
8	" Livers
39	" Heads & Tongues
10	" Fats
2	" Skirts
9	" Offal
7	" Tripe
1	Pig Head.

Total weight of meat condemned 1947 - 16,525 lbs.
" " " " " 1946 23,044 lbs.

305 visits and inspections were made under the Food & Drugs Act 1938. Particular attention was given to the condition of the premises and any contravention was notified to the person responsible and in each case was rectified.

On examination the following foodstuffs were found to be unfit for human consumption and voluntarily surrendered and destroyed.

84	Tins	Stewed Steak	27½	lbs.	Butter
7	"	Luncheon Meat	35	"	Cheese
3	"	Pork Loaf	27½	"	Bacon
233	lbs.	Corned Beef	22	tins	Household Salmon
2	Tins	Brisket Beef	9	"	Grade 1 Salmon
7	"	Beef Loaf	15	"	Pilchards
21	"	Steak & Kidney	2	"	Herring in Tomato
1	Tin	Spam	6	"	Brisling
2	Tins	Veal	3	"	Silver Hake
2	"	Casserole Steak	3	"	Kippered Herrings
2	"	Irish Stew	1	tin	Sardines
1	Tin	Pork Sausage Meat	1	"	Mackerel
70	lbs.	Imported Beef	356	lbs.	Kippers
1	Tin	Sausage	6	stns.	Plaice
1	"	Bacon	37	"	Cod
5	lbs.	Ham	16	"	Haddock
1	Tin	Vienna Sausage	4	"	Crab
7	Tins	Meat & Vegetable	42	"	Herring
17	"	Soup (Meat)	4½	"	Sole
10	"	Soup	3	tins	Plum Jam
1	Tin	Vegetable Soup	5	"	Gooseberry Jam
4	Tins	Mixed Vegetable	2	"	Apricot Jam
5	"	Potatoes	2	"	Greengage Jam
40	"	Peas	23	"	Marmalade
2	"	French Beans	1	tin	Melon & Lemon Jam
6	"	Beans in Tomato	1	"	Victoria Plums
19	"	Harricot Beans	12	tins	Red Plums
5	"	Tomatoes	1	tin	Pears
170	lbs.	Dried Peas	1	"	Peaches
2	jars	Red Cabbage	3	tins	Grapefruit
6	"	Beetroot	9	"	Nougat Bars
2	"	Piccallily	10	lbs.	Caramel Confectionery
¾	cwt.	Butter Beans	22	tins	Mulled Chocolate Food
28	lbs.	Brown Sugar	714	pkts.	Fruitella Table Dessert
28	"	Icing Sugar	105	lbs.	Dessert Powder
40	"	Sugar	1	pkt.	Creamola
28	"	Flour	15	lbs.	Biscuits
85	"	Soya Flour	1	pkt.	Ryvita
3	pkts.	Bun Flour	8½	lbs.	Cake
70	lbs.	Rolled Oats	10	pkts.	Cornflakes
21	"	Currants	99	"	Shredded Wheat
11	"	Prunes	1	tin	Sandwich Spread
143	tins	Evaporated Milk	1	bottle	Oxo
13	"	Condensed Milk	93	lbs.	Soup Powder
2	"	Sweetened Milk	1	jar	Meat Paste
1	tin	Full Cream Milk	2	lbs.	Curry Powder
8	lbs.	Dried Milk	4	"	Mustard
59	"	Margarine	16	tins	Cravy Salt
			6	stns.	Sausage Rusk
			8½	lbs.	Tea

Ice Cream. With the new Regulations coming into force for stricter supervision in the Manufacture, Storage and Handling of this commodity, occupiers and owners have made many enquiries regarding their existing premises and their compliance with the new Regulations. In nearly every instance it was found necessary to request improvements, and no serious opposition was encountered to the proposals suggested.

FRIED FISH SHOPS. Inspections were made periodically of all premises where this trade is carried on. Conditions were found to be very satisfactory in every respect.

SEWERAGE AND SEWAGE DISPOSAL.

Millom. An additional length of sewer (approximately 46 yards) was cleaned out on the Lonsdale Road and Queen Street trunk sewers.

Owing to their dangerous condition manhole covers and frames had to be renewed on main sewers in Earl Street, St. George's Road, Millom and Main Street, Haverigg.

In the near future, it will be necessary to relay a portion of the main sewer in back Mainsgate Road, Millom. The condition of this sewer was found to be unsatisfactory when connection had to be made to the same for the new Factory in this area.

Inspection of the Council's main trunk sewer from back Duddon Street to the Embankment Outfall was carried out during the year, when it was found that repairs to the brickwork in same was necessary. These were carried out when tides were favourable.

Extension of Embankment Sewer. No further progress has been made with regard to this proposal.

Millom Without. There is nothing further to report on the sewerage arrangements in this Parish.

Whicham. Arrangements are as previously reported. Preliminary plans were prepared for the installation of new sewers together with Sewage Disposal Works but the estimate of the cost per house was beyond that fixed by the Ministry of Health. The high cost of the Scheme is attributed

largely to the various levels of the land through which the main sewers would have to be laid. Further consideration is being given to this matter.

Bootle.

Sewage Disposal Works. These Works have operated very satisfactorily throughout the year.

New Sewer. Preparations are in hand for the commencement of the work of extending the existing 9" sewer from Summer Hill via Chapel Lane, through Main Street and continuing the new sewer up to Cross House Farm. No Tenders were received for this Contract, but the approval of the Ministry of Health was given to carry out the work by direct labour by the Surveyor's Department.

The total length to be laid is 1072 lin.yds. of 6" and 9" earthenware sanitary pipe sewer, together with 14 manholes at an estimated cost of £3114.

Muncaster. A Contract was made during the year for relaying and extending the existing main sewers in this Parish. This work was commenced on the 14th July, and completed at the end of the year with the exception of fitting a ventilation shaft.

Drigg. Arrangements are as set out in previous reports.

Seascale. A Contract was made during the year for an extension to the existing Main Sewer from Drigg Road to serve properties in this area, the drainage from which is conveyed by separate outfalls on to the Foreshore. The extension of this sewer will also enable premises in the north of the Parish to avail themselves of the facilities offered by connecting the existing drainage arrangements to the new sewer.

In view of the proposed developments which are about to take place in this area, the scheme as approved by the Ministry of Health, will have to be modified to meet the new demand and these modifications are now being given consideration.

Eskdale. There is nothing further to report on the Scheme for this Parish.

The following private works of Sewage Disposal Schemes by the provision of Septic Tanks, new drainage arrangements and the conversion from earth closets to the water carriage system have been carried out.

Parish of Millom	1
" " Millom Without	1
" " Whicham	1
" " Waberthwaite	2
" " Muncaster	4
" " Irton-with-Santon	1
" " Eskdale	10

The number of dwelling houses affected was 26 with an approximate population of 104.

SCHOOLS. Periodical inspections of the various schools have been made.

No improvement has yet been made at Hycemoor School, Bootle.

The sanitary arrangements at Eskdale High and Low Schools are the same as set out in previous reports.

I am, Your obedient Servant,

J. HANKEY,

Surveyor & Sanitary Inspector.

Health Department,
Council Offices,
Millom.

To the Chairman & Members of the
Rural District Council of Millom.

Mr. Chairman, Mrs. Munroe & Gentlemen,

In accordance with the instructions of the
Ministry of Health, I submit my Annual Report on the
Port of Millom for the year 1947.

It will be noted that the Port was not used at
all during the year. On a recent inspection I found
that the railway road on the Hodbarrow Pier had been
removed. The Ironworks Pier was in a state of disrepair
and unfit for use in the condition I found it. The
sidings on this Pier were stacked with wagon wheels, most
of which I was informed were scrap.

In my opinion the Port is unfit for use in its
present condition.

I am, Mrs. Munroe & Gentlemen,
Your obedient Servant,

I.S. JONES,

Medical Officer of Health.

1. Amount of Shipping Entering the Port during the Year.

TABLE A.

Number inspected

		By the Ton- nage Officer of Health	Medical Sanitary Inspector	Number reported to be defective	Number of vessels on which defects were remedied	Number of vessels on which defects were remedied & reported to Min- istry of Transport Surveyors	Number of vessels as having, or having had during the voyage in- fectious disease on board.
(Steamers	Nil						
(Motor	Nil						
Foreign	(Sailing	Nil					
	(Fishing	Nil					
Total Foreign		Nil					
(Steamers	Nil						
(Motor	Nil						
Coastwise	(Sailing	Nil					
	(Fishing	Nil					
Total Coastwise		Nil					
Total Foreign & Coastwise		Nil					

II. Character of Trade of Port.

The Port was not used during the whole of 1947. There has never been any Passenger Traffic or Food imported.

III. Water Supply.

1. The supply is from the Millom Town Supply, which is a filtered water of high quality.
2. There are three hydrants on the Pier.
3. There are no water boats.

IV. Port Health Regulations, 1933 and 1945.

1. When the Port was used the Customs Officer got the Declaration of Health signed by the Masters of the Ships.
2. Boarding of the vessels on arrival was done by the Customs Officer and he informed the Health Department of all arrivals.
3. The Customs Officer notified the Health Department of any inward vessels requiring attention.
4. The Mooring Station is within the Dock. There are none outside.
5. There are no standing exemptions from the provisions on Article 14.
6. We have had no experience of the working of Article 16.
- 7a. There are no special promises for waiting rooms, for medical examination; but the Customs office on the Pier could be used if required.
 - b. Cleansing and disinfection of ships could be undertaken by the Health Department of this Authority.
 - c. There is no provision for temporary accommodation of persons as required by the Regulations. This is not necessary as there has never been any Passenger Traffic.
 - d. The County Council is responsible for the treatment of Smallpox, and any case of Smallpox arising at the Port would be dealt with at the Penrith Isolation Hospital. The

